PTO/SB/05 (08-03) oved for use through 07/31/2006. OMB 0651-0032

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	Attomey Docket No.	1875.5430000		<u> </u>
UTILITY PATENT APPLICATION	First Inventor	Vasudevan Pa	rthasarathy	6
TRANSMITTAL	Title	Apparatus and Method for Automatic Polarit A Comunications System		stem Swap In
(Only for new nonprovisional applications under 37 CFR 1.53(b))	Express Mail Label No.			
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.	ADDRESS TO:	Mail Stop Patent Commissioner fo P.O. Box 1450 Alexandria VA 22	r Patents	
1. X Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) Applicant claims small entity status. See 37 CFR 1.27. 3. X Specification [Total Pages25] (preferred arrangement set forth below) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure 4. X Drawing(s) (35 U.S.C. 113) [Total Sheets1 5. Oath or Declaration [Total Sheets2] a. X Newly executed (original or copy) b. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed) i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. X Application Data Sheet. See 37 CFR 1.76	Computer Prog 8. Nucleotide and/or A (if applicable, all ne- a. Compute b. Specifica i. CD ii. Pa c. Stateme ACCOMPAI 9. X Assignment 10. 37 CFR 3.7 (when there 11. English Tra 12. Information Statement (Should be (Should be 15. Certified C (if foreign p Nonpublica (b)(2)(B)(i) or its equiv 17. X Other:	cessary) In Readable Form Ation Sequence L D-ROM or CD-R (2) Inper Lents verifying ider NYING APPLI Papers (cover shall) Papers (cover shall) Statement Is an assignee) Inslation Documen Disclosure (IDS)/PTO-1449 Amendment Leipt Postcard (Mispecifically itemizopy of Priority Document Leipt Postcard (Mispecifically itemizopy of Priority is claimed) Amendment Leipt Postcard (Mispecifically itemizopy of Priority is claimed) Leipt Postcard (Mi	copies); or copies); or copies); or copies); or copies); or copies); or copies	copies PARTS ment(s)) ver of orney ole) oles of IDS ations
18. If a CONTINUING APPLICATION, check appropriate box, and specification following the title, or in an Application Data Sheet unde				
Continuation Divisional Conti	nuation-in-part (CIP) o	f prior application N		
Prior application information: Examiner For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of 5b, is considered a part of the disclosure of the accompanying continua. The incorporation can only be relied upon when a portion has been inactive.	f the prior application, from value or divisional application or divisional application or the single or the singl	t Unit: which an oath or d and is hereby incubmitted application	eclaration is s orporated by on parts.	supplied under Box reference.
19. CORRESPO	ONDENCE ADDRESS			
X Customer Number: 26111	OR	Correspo	ondence add	ress below
Name Sterne, Kessler, Goldstein & Fox P.L.	L.C.			
Address	State		Zip Code	

10/29/03 This collection of information is required by 37 CFR (153(b)). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, use the use of the u

Telephone

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Jeffrey T. Helvey

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FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT 950.00 (\$)

spond to a collection of file	initiation unless it displays a valid offin control number.			
Complete if Known				
Application Number	(to be assigned)			
Filing Date	Herewith			
First Named Inventor	Vasudevan Parthasarathy			
Examiner Name	(to be assigned)			
Art Unit	(to be assigned)			
Attorney Docket No.	1875.5430000			

METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)					
Check X Credit card Money X Other* None	e 3. ADDITIONAL FEES					
Order	L <u>arge E</u>	ntity	Small	Entity		
any overpayments in the fees or fee	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
Deposit Account Number below to Deposit Acct. No. 19-0036.	1051	130	2051	65	Surcharge - late filing fee or oath	
Denosit	1052	50	2052	25	Surcharge - late provisional filing fee or	
Account Name Sterne Kessler, Goldstein & Fox P.L.L.C.	1052	130	1053	130	cover sheet Non-English specification	
The Commissioner is authorized to: (check all that apply)	1053 1812		1812		For filing a request for ex parte reexamination	
$\overline{\mathrm{X}}$ Charge fee(s) indicated below $\overline{\mathrm{X}}$ Credit any overpayments		920*	1804	920*	Requesting publication of SIR prior to	
X Charge any additional fee(s) during the pendency of this application					Examiner action	
Charge fee(s) indicated below, except for the filing fee	1805	1840*	1805	1840*	Requesting publication of SIR after Examiner action	
to the above-identified deposit account.	1251	110	2251	55	Extension for reply within first month	
FEE CALCULATION	1252	420	2252	210	Extension for reply within second month	
1. BASIC FILING FEE Large Entity Small Entity	1253	950	2253	475	Extension for reply within third month	
Fee Fee Fee Fee Fee Description Fee Pald	1254	1480	2254	740	Extension for reply within fourth month	
Code (\$) Code (\$) 1001 770 2001 385 Utility filing fee	1255	2010	2255	1005	Extension for reply within fifth month	
1001 770 2001 385 Utility filing fee \$770.00	1401	330	2401	165	Notice of Appeal	
1002 540 2002 170 Seedy ming fee	1402	330	2402	165	Filing a brief in support of an appeal	
1004 770 2004 385 Reissue filing fee	1403	290	2403	145	Request for oral hearing	
1005 160 2005 80 Provisional filing fee	1451	1510	1451	1510	•	
SUBTOTAL (1) (\$) 770.00	1452	110	2452	55	Petition to revive - unavoidable	
	1453	1330	2453	665		
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUI	,,,,,		2501		,	
Extra Claims below Fee Paid Total Claims 23 20** = 3 X \$18.00 = \$54.00	71		2502	_	· · · •	
Independent 25 20 100 100 100 100 100 100 100 100 100	1503		2503			
Multiple Dependent 4 - 3** = 1 X \$86.00 = \$86.00	1460		1460		Processing fee under 37 CFR 1.17(q)	
	1807		1			
Large Entity Small Entity	1806		1806		Recording each patent assignment per	\$40.00
Code (\$) Code (\$)	8021	40	8021		property (times number of properties)	\$40.00
1202 18 2202 9 Claims in excess of 20 1201 86 2201 42 Independent claims in excess of 3	1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1203 290 2203 140 Multiple dependent claim, if not paid	1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
1204 86 2204 42 ** Reissue independent claims over original patent	180	1 770	280	1 385		
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	180		180	2 900		
SUBTOTAL (2) (\$) 140.00			pecify)			
**or number previously paid, if greater, For Reissues, see above	*Red	duced t	y Basic	Filing	Fee Paid SUBTOTAL (3) (\$)	40.00

(Complete (if applicable) SUBMITTED BY Registration No. (202) 371-2600 Telephone 44,757 Name (Print/Type) Jeffrey T. Helvey (Attorney/Agent) Signature

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



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Practice Limited to
 Federal Agencies

October 29, 2003

WRITER'S DIRECT NUMBER: (202) 772-8675 INTERNET ADDRESS: JHELVEY@SKGF.COM

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Re:

U.S. Non-Provisional Utility Patent Application under 37 C.F.R. § 1.53(b)

Appl. No. (to be assigned); Filed: Herewith

For: Apparatus and Method for Automatic Polarity Swap In A

Communications System

Inventor:

Vasudevan Parthasarathy

Our Ref:

1875.5430000

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

- 1. PTO Fee Transmittal (Form PTO/SB/17);
- 2. PTO Utility Patent Application Transmittal (Form PTO/SB/05);
- 3. U.S. Utility Patent Application entitled:

Apparatus and Method for Automatic Polarity Swap In A Communications System

and naming as inventor:

Vasudevan Parthasarathy

the application consisting of:

- a. An Application Data Sheet (37 C.F.R. § 1.76);
- b. A facsimile copy of an executed Declaration;

Commissioner for Patents October 29, 2003 Page 2

- c. A specification containing:
 - 20 pages of description prior to the claims; i.
 - 4 pages of claims (23 claims);
 - a one (1) page abstract; and iii.
- d. 15 sheets of drawings: (Figures 1-15);
- Authorization to Treat a Reply As Incorporating An Extension of Time 4. Under 37 C.F.R. § 1.136(a)(3);
- 5. Recordation Form Cover Sheet;
- A facsimile copy of an executed Assignment to Broadcom Corporation, 6. recordation of which is hereby respectfully requested;
- 7. Two (2) return postcards; and
- PTO-2038 Credit Card Payment Form for \$950.00 to cover: 8.
 - \$770.00 for Patent Application Filing Fee;
 - \$140.00 fee for excess claims; and
 - \$ 40.00 for Assignment Recordation Fee.

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

JH Holver

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Jeffrey T. Helvey

Attorney for Applicant

Registration No. 44,757

JTH/agi

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Vasudevan Parthasarathy

Appl. No.: (to be assigned)

Filed: Herewith

For: Apparatus and Method for Automatic Polarity Swap In A

Communications System

Confirmation No.: (to be assigned)

Art Unit: (to be assigned)

Examiner: (to be assigned)

Atty. Docket: 1875.5430000

Authorization to Treat a Reply as Incorporating an Extension of Time Under 37 C.F.R. § 1.136(a)(3)

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Sir:

The U.S. Patent and Trademark Office is hereby authorized to treat any concurrent or future reply that requires a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. The U.S. Patent and Trademark Office is hereby authorized to charge all required extension of time fees to our Deposit Account No. 19-0036, if such fees are not otherwise provided for in such reply.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Jeffrey T. Helvey

Attorney for Applicant Registration No. 44,757

Jeff Helvey

Date: October 29, 2003

1100 New York Avenue, N.W. Washington, D.C. 20005-3934 (202) 371-2600

JTH/agj